

# Utah Occupational Projections 2000 - 2010

## Training Levels Sorted by Wages

	Employment		Annual Job Openings			Hourly Wage	
	2000	2010	Growth	Replacements	Total	Entry	Average
<b>First Professional Degree</b>							
Surgeons	490	630	10	10	20	\$52.10	\$64.00
Family and General Practitioners	1,130	1,410	30	20	50	\$37.60	\$56.60
Lawyers	3,860	5,210	140	30	160	\$30.50	\$49.20
Dentists	1,120	1,460	30	30	60	\$25.10	\$48.20
Pharmacists	1,780	2,740	100	50	150	\$29.20	\$35.80
Veterinarians	360	500	10	10	20	\$15.80	\$28.50
Chiropractors	320	430	10	10	20	\$10.10	\$14.80

\*Annual Wage.

Note: Detail may not add to totals because of the exclusion of small occupations and rounding.

Source: Utah Department of Workforce Services, June 2003.

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	Employment		Annual Job Openings			Hourly Wage	
	2000	2010	Growth	Replacements	Total	Entry	Average
<b>Doctoral Degree</b>							
Engineering Teachers, Postsecondary	430	580	20	10	30	44,300	76,100 *
Biological Science Teachers, Postsecondary	270	360	10	10	20	42,300	66,500 *
Mathematical Science Teachers, Postsecondary	310	420	10	10	20	39,800	70,400 *
Business Teachers, Postsecondary	460	630	20	10	30	39,300	62,800 *
Computer Science Teachers, Postsecondary	240	330	10	10	20	38,800	71,900 *
English Language and Literature Teachers, Postsecondary	330	450	10	10	20	36,700	51,000 *
Education Teachers, Postsecondary	320	440	10	10	20	33,000	50,200 *
Art, Drama, and Music Teachers, Postsecondary	390	530	10	10	30	32,100	51,300 *
Computer and Information Scientists, Research	390	580	20	0	20	\$21.80	\$32.30
Biochemists and Biophysicists	180	280	10	10	20	\$18.90	\$28.10
Medical Scientists, Except Epidemiologists	820	1,260	40	20	60		

\*Annual Wage.

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# Utah Occupational Projections 2000 - 2010

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	Employment		Annual Job Openings			Hourly Wage	
	2000	2010	Growth	Replacements	Total	Entry	Average
<b>Master's Degree</b>							
Nursing Instructors and Teachers, Postsecondary	270	370	10	10	20	40,500	54,800 *
Physical Therapists	900	1,250	30	20	60	\$18.30	\$25.40
Urban and Regional Planners	250	350	10	10	20	\$14.80	\$22.00
Clinical, Counseling, and School Psychologists	1,460	2,140	70	40	110	\$15.20	\$21.20
Speech-Language Pathologists	570	900	30	20	50	\$14.00	\$21.10
Librarians	1,180	1,500	30	30	60	\$11.30	\$18.30
Mental Health and Substance Abuse Social Workers	590	860	30	10	30	\$12.90	\$17.60
Educational, Vocational, and School Counselors	1,850	2,630	80	40	120	\$10.40	\$16.50
Instructional Coordinators	1,100	1,540	40	20	60	\$10.10	\$16.20
Mental Health Counselors	820	1,130	30	20	50	\$8.90	\$14.50
Rehabilitation Counselors	590	760	20	10	30	\$8.00	\$14.00
Substance Abuse and Behavioral Disorder Counselors	480	710	20	10	30	\$8.40	\$13.30
Operations Research Analysts	2,460	3,160	70	80	150		

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	Employment		Annual Job Openings			Hourly Wage	
	2000	2010	Growth	Replacements	Total	Entry	Average
<b>Work experience plus bachelor's or higher degree</b>							
Education Administrators, Elementary and Secondary School	1,370	1,870	50	40	90	57,600	66,900 *
Producers and Directors	300	410	10	10	20	20,000	45,000 *
Chief Executives	4,380	5,630	120	140	260	\$23.70	\$47.50
Engineering Managers	2,420	2,800	40	40	80	\$26.20	\$37.30
Marketing Managers	1,960	2,730	80	30	110	\$20.10	\$34.50
Computer and Information Systems Managers	2,040	3,160	110	40	150	\$19.00	\$33.80
Natural Sciences Managers	720	870	10	10	30	\$20.60	\$32.10
Management Analysts	2,210	3,180	100	20	120	\$18.40	\$31.30
General and Operations Managers	17,140	21,360	420	290	710	\$15.20	\$30.40
Sales Managers	3,300	4,610	130	50	180	\$16.20	\$29.80
Sales Managers	580	870	30	10	40	\$16.20	\$29.80
Medical and Health Services Managers	1,640	2,460	80	30	110	\$18.00	\$29.70
Financial Managers	5,600	7,130	150	90	240	\$15.00	\$29.00
Education Administrators, Postsecondary	1,010	1,250	20	30	50	\$17.40	\$28.30
Human Resources Managers	1,480	1,810	30	30	60	\$16.50	\$27.10
Purchasing Managers	780	830	0	30	30	\$14.80	\$26.30
Farm, Ranch, and Other Agricultural Managers	2,870	2,890	0	30	40	\$17.10	\$23.60
Advertising and Promotions Managers	1,050	1,490	40	20	60	\$13.30	\$23.30
Administrative Services Managers	2,550	3,330	80	40	120	\$12.20	\$22.70
Education Administrators, Preschool and Child Care Center/Program	330	470	20	10	20	\$9.90	\$18.00
Legislators	1,150	1,620	50	40	80	\$6.00	\$9.80

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## Training Levels Sorted by Wages

	Employment		Annual Job Openings			Hourly Wage	
	2000	2010	Growth	Replacements	Total	Entry	Average
<b>Bachelor's degree</b>							
Secondary School Teachers, Except Special and Vocational Education	7,180	10,300	310	220	530	30,500	44,600 *
Editors	910	1,290	40	30	70	25,400	42,900 *
Vocational Education Teachers, Secondary School	690	940	30	20	50	31,000	41,600 *
Special Education Teachers, Secondary School	1,060	1,590	50	10	70	29,100	41,400 *
Middle School Teachers, Except Special and Vocational Education	5,410	7,180	180	120	300	27,800	38,900 *
Elementary School Teachers, Except Special Education	10,230	14,000	380	230	610	26,500	37,400 *
Special Education Teachers, Preschool, Kindergarten, and Elementary School	1,030	1,710	70	10	80	27,500	37,000 *
Kindergarten Teachers, Except Special Education	560	770	20	10	30	21,700	33,400 *
Computer Software Engineers, Applications	3,850	7,630	380	30	400	\$22.60	\$34.30
Financial Analysts	710	920	20	10	30	\$17.00	\$33.30
Physician Assistants	370	520	20	10	20	\$21.70	\$31.80
Electrical Engineers	680	790	10	10	20	\$22.20	\$31.50
Electronics Engineers, Except Computer	920	950	0	20	20	\$24.20	\$30.20
Industrial Production Managers	1,660	1,950	30	30	60	\$18.10	\$29.80
Securities, Commodities, and Financial Services Sales Agents	3,470	3,420	0	30	30	\$15.40	\$29.80
Mechanical Engineers	1,660	1,990	30	50	80	\$21.70	\$29.10
Computer Hardware Engineers	800	1,010	20	10	30	\$18.70	\$28.70
Construction Managers	2,440	3,290	90	40	130	\$18.40	\$28.70
Computer Programmers	4,480	5,290	80	100	180	\$18.10	\$27.80
Environmental Engineers	290	410	10	10	20	\$20.60	\$27.60
Industrial Engineers	1,050	1,190	20	20	30	\$19.10	\$27.30
Civil Engineers	1,200	1,470	30	20	50	\$18.80	\$26.80
Database Administrators	680	1,160	50	0	50	\$17.50	\$26.80
Computer Systems Analysts	3,610	5,690	210	30	240	\$18.80	\$25.90
Personal Financial Advisors	800	1,030	20	10	30	\$14.90	\$25.00
Network Systems and Data Communications Analysts	1,110	1,910	80	10	80	\$15.40	\$24.50
Network and Computer Systems Administrators	1,610	2,920	130	10	140	\$16.90	\$24.30
Insurance Sales Agents	2,820	3,750	90	80	170	\$14.10	\$23.80
Budget Analysts	510	630	10	10	20	\$17.50	\$23.70

\*Annual Wage.

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	Employment		Annual Job Openings			Hourly Wage	
	2000	2010	Growth	Replacements	Total	Entry	Average
Chemists	540	730	20	20	40	\$15.80	\$23.40
Market Research Analysts	620	800	20	10	30	\$13.30	\$23.40
Environmental Scientists and Specialists, Including Health	640	880	20	20	50	\$16.80	\$22.60
Financial Examiners	350	450	10	10	20	\$13.40	\$22.30
Cost Estimators	1,580	2,020	40	40	80	\$13.10	\$22.10
Technical Writers	490	620	10	20	30	\$15.60	\$22.10
Social and Community Service Managers	1,450	2,070	60	30	90	\$13.60	\$21.90
Occupational Therapists	510	700	20	10	30	\$12.90	\$21.60
Purchasing Agents, Except Wholesale, Retail, and Farm Products	1,750	2,120	40	40	70	\$14.30	\$21.20
Accountants and Auditors	7,300	9,470	220	110	330	\$13.80	\$20.80
Commercial and Industrial Designers	580	860	30	10	40	\$12.80	\$20.40
Compensation, Benefits, and Job Analysis Specialists	640	850	20	10	30	\$14.20	\$20.40
Credit Analysts	590	750	20	10	30	\$10.90	\$20.30
Loan Officers	2,880	3,730	90	60	140	\$12.90	\$20.30
Wholesale and Retail Buyers, Except Farm Products	1,070	1,160	10	30	40	\$10.00	\$20.10
Public Relations Specialists	930	1,390	50	20	60	\$13.30	\$19.70
Medical and Clinical Laboratory Technologists	1,000	1,320	30	20	60	\$13.30	\$19.10
Employment, Recruitment, and Placement Specialists	1,090	1,310	20	20	40	\$12.40	\$18.90
Medical and Public Health Social Workers	520	760	20	10	30	\$11.20	\$18.90
Multi-Media Artists and Animators	1,670	2,310	60	40	110	\$11.40	\$18.70
Dietitians and Nutritionists	310	420	10	10	20	\$14.00	\$18.50
Training and Development Specialists	1,650	2,140	50	30	80	\$10.50	\$18.30
Surveyors	550	680	10	20	30	\$9.70	\$17.80
Graphic Designers	1,520	2,150	60	20	80	\$10.90	\$16.70
Tax Examiners, Collectors, and Revenue Agents	1,540	1,790	30	40	70	\$13.10	\$16.50
Property, Real Estate, and Community Association Managers	1,910	2,890	100	40	130	\$7.10	\$16.10
Child, Family, and School Social Workers	2,460	3,400	90	30	120	\$10.20	\$15.80
Probation Officers and Correctional Treatment Specialists	1,240	1,760	50	20	70	\$11.60	\$15.30
Meeting and Convention Planners	420	580	20	10	20	\$10.50	\$15.00
Writers and Authors	1,280	1,840	60	30	80	\$8.80	\$14.90

\*Annual Wage.

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Source: Utah Department of Workforce Services, June 2003.

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	2000	2010	Growth	Replacements	Total	Entry	Average
Law Clerks	640	760	10	10	20	\$9.40	\$14.00
Recreational Therapists	340	460	10	10	20	\$8.20	\$13.30
Survey Researchers	390	590	20	10	30	\$8.30	\$10.10
Preschool Teachers, Except Special Education	4,770	6,240	150	60	210	\$7.30	\$9.40
Recreation Workers	3,120	4,470	140	70	200	\$6.00	\$8.70
Airline Pilots, Copilots, and Flight Engineers	1,550	1,540	0	40	40		
Architects, Except Landscape and Naval	390	530	10	0	20		
Computer Software Engineers, Systems Software	1,870	3,470	160	10	170		
Graduate Teaching Assistants	1,630	2,210	60	50	100		
Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	700	1,080	40	10	50		
Sales Engineers	2,190	2,940	80	60	130		

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## Training Levels Sorted by Wages

	Employment		Annual Job Openings			Hourly Wage	
	2000	2010	Growth	Replacements	Total	Entry	Average
<b>Associate Degree</b>							
Registered Nurses	14,100	20,110	600	290	890	\$17.60	\$22.00
Mechanical Engineering Technicians	760	930	20	20	30	\$15.50	\$20.00
Industrial Engineering Technicians	710	800	10	20	20	\$12.40	\$19.00
Paralegals and Legal Assistants	850	1,250	40	10	50	\$13.40	\$18.40
Environmental Science and Protection Technicians, Including Health	290	410	10	10	20	\$11.90	\$18.20
Civil Engineering Technicians	580	680	10	10	20	\$12.90	\$18.00
Electrical and Electronic Engineering Technicians	2,300	2,690	40	50	90	\$8.80	\$17.50
Radiologic Technologists and Technicians	1,060	1,460	40	20	60	\$14.00	\$17.20
Chemical Technicians	410	540	10	10	20	\$11.00	\$16.40
Physical Therapist Assistants	250	350	10	10	20	\$11.70	\$15.00
Biological Technicians	460	590	10	10	20	\$9.00	\$13.70
Forest and Conservation Technicians	490	580	10	20	30	\$9.60	\$12.80
Computer Support Specialists	8,330	16,890	860	40	890	\$8.20	\$12.40
Medical Records and Health Information Technicians	1,040	1,520	50	20	70	\$8.30	\$11.20
Medical and Clinical Laboratory Technicians	1,240	1,630	40	30	70	\$7.80	\$10.90
Veterinary Technologists and Technicians	240	360	10	10	20	\$7.00	\$9.20
Cardiovascular Technologists and Technicians	220	380	20	10	20		
Dental Hygienists	820	1,080	30	10	40		
Respiratory Therapists	460	800	30	10	50		
Semiconductor Processors	840	1,090	30	20	40		

\*Annual Wage.

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	Employment		Annual Job Openings			Hourly Wage	
	2000	2010	Growth	Replacements	Total	Entry	Average
<b>Postsecondary Vocational Training</b>							
Telecommunications Equipment Installers and Repairers, Except Line Installers	2,140	2,010	0	40	40	\$18.50	\$22.80
Aircraft Mechanics and Service Technicians	700	820	10	20	30	\$14.50	\$19.70
Mechanical Drafters	650	800	20	20	40	\$13.40	\$19.20
Computer, Automated Teller, and Office Machine Repairers	1,590	1,820	20	20	40	\$12.20	\$18.80
Electrical and Electronics Repairers, Commercial and Industrial Equipment	880	860	0	20	20	\$13.60	\$18.70
Electrical and Electronics Drafters	390	480	10	10	20	\$11.20	\$18.30
Massage Therapists	390	590	20	10	30	\$8.50	\$17.90
Real Estate Sales Agents	1,070	1,510	40	20	70	\$8.80	\$17.60
Appraisers and Assessors of Real Estate	860	1,270	40	30	70	\$9.50	\$17.20
Fitness Trainers and Aerobics Instructors	2,150	3,350	120	50	170	\$8.90	\$17.10
Mobile Heavy Equipment Mechanics, Except Engines	1,470	1,760	30	40	70	\$12.80	\$17.10
Electric Motor, Power Tool, and Related Repairers	470	520	10	10	20	\$10.10	\$16.80
Architectural and Civil Drafters	610	790	20	20	40	\$11.00	\$16.10
Skin Care Specialists	240	340	10	10	20	\$9.00	\$15.80
Bus and Truck Mechanics and Diesel Engine Specialists	4,410	5,580	120	110	230	\$10.70	\$15.50
Automotive Service Technicians and Mechanics	6,440	8,720	230	160	390	\$9.00	\$14.90
Legal Secretaries	1,910	2,470	60	30	90	\$11.70	\$14.70
Licensed Practical and Licensed Vocational Nurses	3,210	4,140	90	80	180	\$10.90	\$14.10
Electronic Home Entertainment Equipment Installers and Repairers	880	960	10	20	30	\$10.90	\$13.80
Surgical Technologists	490	750	30	10	40	\$10.20	\$13.70
Welders, Cutters, Solderers, and Brazers	4,130	5,320	120	120	240	\$10.20	\$13.70
Desktop Publishers	240	450	20	0	30	\$9.30	\$13.00
Travel Agents	1,050	1,210	20	30	40	\$7.70	\$12.20
Medical Transcriptionists	450	620	20	10	30	\$8.80	\$12.00
Medical Secretaries	1,850	2,440	60	30	90	\$9.00	\$11.50
Chefs and Head Cooks	920	1,060	20	30	40	\$7.20	\$10.70
Sound Engineering Technicians	350	410	10	10	20	\$6.20	\$10.40
Emergency Medical Technicians and Paramedics	1,430	2,170	70	40	110	\$7.50	\$10.10
Hairdressers, Hairstylists, and Cosmetologists	4,200	6,540	230	120	360	\$7.30	\$10.00
Psychiatric Technicians	1,220	1,630	40	30	70	\$8.30	\$9.70

\*Annual Wage.

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	2000	2010	Growth	Replacements	Total	Entry	Average
Aircraft Mechanics and Service Technicians, FAA Certified	860	870	0	20	20		
Barbers	250	320	10	10	20		
Farm Equipment Mechanics	520	610	10	10	20		
Jewelers and Precious Stone and Metal Workers	670	950	30	20	50		

\*Annual Wage.

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	Employment		Annual Job Openings			Hourly Wage	
	2000	2010	Growth	Replacements	Total	Entry	Average
<b>Work Experience in a Related Occupation</b>							
Real Estate Brokers	300	430	10	10	20	\$14.30	\$31.10
Transportation, Storage, and Distribution Managers	1,190	1,580	40	20	60	\$17.30	\$27.20
First-Line Supervisors/Managers of Police and Detectives	900	1,250	40	20	60	\$20.80	\$25.90
First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	470	620	20	20	30	\$17.30	\$24.60
Railroad Conductors and Yardmasters	450	550	10	20	30	\$17.80	\$22.30
First-Line Supervisors/Managers of Non-Retail Sales Workers	3,460	4,110	70	60	120	\$12.10	\$21.70
First-Line Supervisors/Managers of Correctional Officers	340	510	20	10	20	\$18.00	\$21.30
Detectives and Criminal Investigators	430	600	20	10	30	\$15.00	\$21.00
First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	3,580	4,490	90	90	190	\$12.60	\$20.90
First-Line Supervisors/Managers of Construction Trades and Extraction Workers	7,070	9,800	270	180	460	\$14.80	\$20.60
Vocational Education Teachers, Postsecondary	1,920	2,650	70	50	130	\$13.20	\$19.40
First-Line Supervisors/Managers of Production and Operating Workers	6,030	6,600	60	160	220	\$12.30	\$19.20
First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators	1,490	1,890	40	30	70	\$11.30	\$19.20
Construction and Building Inspectors	410	510	10	10	20	\$13.90	\$18.50
First-Line Supervisors/Managers of Office and Administrative Support Workers	9,700	12,000	230	190	420	\$11.10	\$17.20
First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	1,300	1,610	30	30	60	\$11.70	\$17.00
Lodging Managers	570	860	30	10	40	\$11.50	\$16.40
Food Service Managers	3,590	4,550	100	50	140	\$9.90	\$15.00
First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	1,130	1,590	50	10	50	\$10.90	\$14.90
First-Line Supervisors/Managers of Retail Sales Workers	14,970	19,340	440	240	680	\$9.20	\$14.70
First-Line Supervisors/Managers of Personal Service Workers	820	1,130	30	30	60	\$8.30	\$13.50
First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	1,630	2,310	70	50	110	\$9.10	\$13.40
First-Line Supervisors/Managers of Food Preparation and Serving Workers	6,570	7,910	130	170	300	\$9.20	\$11.80
Self-Enrichment Education Teachers	890	1,250	40	10	50	\$7.70	\$11.70
New Accounts Clerks	610	750	20	10	30	\$9.50	\$10.60
Graders and Sorters, Agricultural Products	720	830	10	20	30	\$7.40	\$9.10
Concierges	230	320	10	10	20	\$7.10	\$9.00
Mine Cutting and Channeling Machine Operators	550	650	10	20	30		

\*Annual Wage.

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<b>Long-Term On-the-Job Training</b>							
Coaches and Scouts	630	830	20	10	30	19,000	39,500 *
Musicians and Singers	420	610	20	10	30	12,700	37,900 *
Athletes and Sports Competitors	850	1,130	30	20	50	22,500	32,500 *
Air Traffic Controllers	410	470	10	20	20	\$31.50	\$42.30
Brickmasons and Blockmasons	1,310	1,710	40	30	70	\$18.00	\$25.10
Power Plant Operators	500	540	0	20	20	\$17.60	\$23.40
Electrical Power-Line Installers and Repairers	990	1,170	20	30	50	\$14.20	\$21.70
Claims Adjusters, Examiners, and Investigators	900	1,260	40	10	50	\$12.60	\$20.90
Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation	950	1,230	30	20	50	\$14.00	\$20.00
Industrial Machinery Mechanics	1,630	1,870	20	50	70	\$14.60	\$19.90
News Analysts, Reporters and Correspondents	420	490	10	10	20	\$11.00	\$19.20
Plumbers, Pipefitters, and Steamfitters	4,040	5,120	110	70	180	\$13.30	\$19.10
Electricians	6,660	8,780	210	130	340	\$12.90	\$18.60
Structural Iron and Steel Workers	770	1,010	20	10	30	\$12.30	\$17.90
Chemical Plant and System Operators	310	380	10	10	20	\$14.70	\$17.20
Police and Sheriff's Patrol Officers	3,600	5,510	190	80	270	\$13.30	\$17.20
Tile and Marble Setters	450	600	20	10	30	\$10.60	\$17.20
Water and Liquid Waste Treatment Plant and System Operators	800	1,140	30	30	60	\$12.90	\$16.40
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	2,590	3,680	110	30	140	\$11.30	\$16.30
Automotive Body and Related Repairers	1,440	1,830	40	40	80	\$10.10	\$16.20
Machinists	3,010	3,390	40	60	100	\$11.40	\$16.00
Maintenance Workers, Machinery	1,070	1,260	20	30	50	\$11.10	\$15.90
Photographers	460	680	20	10	30	\$8.60	\$15.90
Carpenters	16,310	20,820	450	300	750	\$11.00	\$15.40
Glaziers	730	910	20	10	30	\$10.40	\$15.40
Plasterers and Stucco Masons	1,400	1,810	40	30	70	\$10.90	\$15.10
Cement Masons and Concrete Finishers	3,130	3,650	50	30	80	\$9.80	\$14.60
Job Printers	550	720	20	10	30	\$9.30	\$14.60
Telecommunications Line Installers and Repairers	910	1,130	20	20	40	\$9.80	\$14.40

\*Annual Wage.

Note: Detail may not add to totals because of the exclusion of small occupations and rounding.

Source: Utah Department of Workforce Services, June 2003.

# Utah Occupational Projections 2000 - 2010

## Training Levels Sorted by Wages

	Employment		Annual Job Openings			Hourly Wage	
	2000	2010	Growth	Replace-ments	Total	Entry	Average
Computer-Controlled Machine Tool Operators, Metal and Plastic	910	1,190	30	30	60	\$10.60	\$14.00
Travel Guides	330	430	10	10	20	\$11.20	\$13.80
Maintenance and Repair Workers, General	8,720	10,330	160	110	270	\$8.70	\$13.70
Butchers and Meat Cutters	1,060	1,130	10	30	30	\$9.30	\$13.50
Fire Fighters	2,870	3,850	100	70	170	\$7.80	\$13.00
Furniture Finishers	420	490	10	20	30	\$8.50	\$12.60
Interpreters and Translators	350	480	10	10	20	\$8.30	\$12.50
Prepress Technicians and Workers	870	890	0	20	20	\$7.60	\$12.50
Audio and Video Equipment Technicians	860	1,100	20	30	50	\$9.50	\$12.00
Medical Appliance Technicians	1,190	1,530	30	30	70	\$8.80	\$11.70
Cabinetmakers and Bench Carpenters	2,380	2,770	40	80	120	\$8.00	\$11.30
Dental Laboratory Technicians	460	600	10	10	30	\$7.50	\$11.20
Opticians, Dispensing	520	680	20	10	30	\$8.20	\$10.60
Bakers	1,860	2,440	60	30	90	\$7.00	\$10.40
Cooks, Restaurant	4,060	5,170	110	120	230	\$7.50	\$9.20
Cooks, Institution and Cafeteria	3,870	4,750	90	110	200	\$6.60	\$8.80
Actors	1,940	2,780	80	40	130		
Farmers and Ranchers	13,360	8,600	0	110	110		
Farmworkers and Laborers, Crop, Nursery, and Greenhouse	1,280	1,520	20	40	70		
Fine Artists, Including Painters, Sculptors, and Illustrators	360	500	10	10	20		
Flight Attendants	1,250	1,380	10	40	60		
Upholsterers	600	590	0	20	20		

\*Annual Wage.

Note: Detail may not add to totals because of the exclusion of small occupations and rounding.

Source: Utah Department of Workforce Services, June 2003.

# Utah Occupational Projections 2000 - 2010

## Training Levels Sorted by Wages

	Employment		Annual Job Openings			Hourly Wage	
	2000	2010	Growth	Replacements	Total	Entry	Average
<b>Moderate-Term On-the-Job Training</b>							
Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	4,270	5,000	70	120	190	\$16.60	\$27.70
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	12,350	14,400	210	340	550	\$12.50	\$22.20
Title Examiners, Abstractors, and Searchers	930	1,120	20	10	30	\$13.00	\$20.60
Control and Valve Installers and Repairers, Except Mechanical Door	660	740	10	20	30	\$14.20	\$18.60
Advertising Sales Agents	1,650	2,210	60	30	90	\$10.10	\$18.00
Dispatchers, Except Police, Fire, and Ambulance	1,730	2,150	40	30	70	\$11.30	\$17.30
Truck Drivers, Heavy and Tractor-Trailer	18,890	23,410	450	270	720	\$12.00	\$17.30
Tapers	1,130	1,410	30	10	40	\$13.10	\$17.00
Operating Engineers and Other Construction Equipment Operators	4,070	4,920	90	90	180	\$12.10	\$16.10
Excavating and Loading Machine and Dragline Operators	570	770	20	20	40	\$11.60	\$15.90
Hazardous Materials Removal Workers	230	350	10	10	20	\$12.20	\$15.80
Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	870	1,000	10	20	30	\$10.60	\$15.70
Paving, Surfacing, and Tamping Equipment Operators	390	500	10	10	20	\$12.50	\$15.60
Highway Maintenance Workers	850	1,090	20	10	40	\$11.50	\$15.40
Correctional Officers and Jailers	2,050	3,080	100	50	150	\$12.40	\$14.90
Executive Secretaries and Administrative Assistants	10,670	12,960	230	180	410	\$11.00	\$14.90
Drywall and Ceiling Tile Installers	2,230	2,790	60	20	80	\$10.80	\$14.50
Inspectors, Testers, Sorters, Samplers, and Weighers	3,180	3,200	0	70	70	\$8.80	\$14.10
Surveying and Mapping Technicians	670	920	30	20	50	\$10.70	\$13.90
Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	670	800	10	10	20	\$9.50	\$13.70
Police, Fire, and Ambulance Dispatchers	600	840	20	10	30	\$10.70	\$13.40
Carpet Installers	580	780	20	10	30	\$8.90	\$13.30
Painters, Construction and Maintenance	3,980	5,560	160	80	240	\$9.60	\$13.30
Printing Machine Operators	1,630	1,750	10	40	50	\$9.10	\$13.30
Structural Metal Fabricators and Fitters	1,290	1,560	30	20	50	\$9.50	\$13.30
Computer Operators	1,830	1,610	0	30	30	\$8.20	\$13.00
Cargo and Freight Agents	670	760	10	10	20	\$9.40	\$12.90
Parts Salespersons	1,980	2,220	20	60	80	\$8.90	\$12.90
Pipelayers	1,260	1,640	40	20	60	\$9.50	\$12.70
Roofers	1,610	2,260	70	40	110	\$8.10	\$12.40

\*Annual Wage.

Note: Detail may not add to totals because of the exclusion of small occupations and rounding.

Source: Utah Department of Workforce Services, June 2003.

# Utah Occupational Projections 2000 - 2010

## Training Levels Sorted by Wages

	Employment		Annual Job Openings			Hourly Wage	
	2000	2010	Growth	Replacements	Total	Entry	Average
Bookkeeping, Accounting, and Auditing Clerks	13,550	15,540	200	270	460	\$8.70	\$12.30
Camera Operators, Television, Video, and Motion Picture	430	610	20	10	30	\$7.60	\$12.30
Insurance Claims and Policy Processing Clerks	1,750	1,660	0	30	30	\$9.60	\$12.30
Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	470	540	10	10	20	\$9.20	\$12.30
Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	830	930	10	20	30	\$9.50	\$12.20
Paper Goods Machine Setters, Operators, and Tenders	1,290	1,440	10	30	40	\$9.20	\$12.10
Roustabouts, Oil and Gas	530	440	0	20	20	\$8.40	\$12.10
Animal Control Workers	160	230	10	10	20	\$8.00	\$12.00
Pharmacy Technicians	1,710	2,770	110	40	150	\$9.50	\$11.90
Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	880	1,070	20	20	40	\$8.80	\$11.40
Cutting and Slicing Machine Setters, Operators, and Tenders	770	870	10	10	20	\$8.00	\$11.40
Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	720	710	0	20	20	\$9.00	\$11.40
Word Processors and Typists	820	800	0	20	20	\$7.90	\$11.40
Customer Service Representatives	21,410	31,080	970	180	1,150	\$8.60	\$11.30
Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	920	930	0	20	20	\$8.80	\$11.30
Mixing and Blending Machine Setters, Operators, and Tenders	760	970	20	20	40	\$8.30	\$11.30
Construction Laborers	7,150	9,390	220	70	290	\$8.20	\$11.20
Molders, Shapers, and Casters, Except Metal and Plastic	360	430	10	10	20	\$7.90	\$11.20
Secretaries, Except Legal, Medical, and Executive	11,480	13,010	150	200	350	\$8.50	\$11.20
Woodworking Machine Setters, Operators, and Tenders, Except Sawing	470	510	0	20	20	\$7.10	\$11.00
Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	750	920	20	20	30	\$8.50	\$10.80
Outdoor Power Equipment and Other Small Engine Mechanics	300	400	10	10	20	\$7.70	\$10.80
Demonstrators and Product Promoters	1,060	1,370	30	40	70	\$8.60	\$10.70
Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	720	890	20	20	30	\$7.70	\$10.70
Merchandise Displayers and Window Trimmers	600	710	10	10	20	\$7.40	\$10.60
Team Assemblers	14,570	16,770	220	260	480	\$8.00	\$10.60
Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	910	1,020	10	20	30	\$7.70	\$10.50

\*Annual Wage.

Note: Detail may not add to totals because of the exclusion of small occupations and rounding.

Source: Utah Department of Workforce Services, June 2003.

# Utah Occupational Projections 2000 - 2010

## Training Levels Sorted by Wages

	Employment		Annual Job Openings			Hourly Wage	
	2000	2010	Growth	Replace-ments	Total	Entry	Average
Social and Human Service Assistants	3,460	5,660	220	50	270	\$7.40	\$10.50
Grinding and Polishing Workers, Hand	570	710	10	10	30	\$8.00	\$10.40
Sawing Machine Setters, Operators, and Tenders, Wood	410	470	10	20	20	\$7.20	\$10.20
Medical Assistants	2,860	3,990	110	80	190	\$8.20	\$10.10
Data Entry Keyers	5,580	6,180	60	90	150	\$7.80	\$9.90
Tour Guides and Escorts	350	450	10	10	20	\$7.30	\$9.90
Dental Assistants	3,340	4,410	110	60	170	\$7.50	\$9.80
Sewing Machine Operators	2,000	1,560	0	20	20	\$7.00	\$9.70
Bindery Workers	1,070	1,350	30	30	60	\$6.80	\$9.60
Residential Advisors	250	350	10	10	20	\$7.50	\$9.30
Dietetic Technicians	220	310	10	10	20	\$6.50	\$9.10
Floral Designers	810	1,030	20	10	30	\$6.80	\$9.10
Laundry and Dry-Cleaning Workers	1,480	1,690	20	40	60	\$6.70	\$8.10
Bus Drivers, Transit and Intercity	960	1,210	30	20	50		
Continuous Mining Machine Operators	370	390	0	10	20		
Fence Erectors	550	670	10	10	20		
Insulation Workers	610	780	20	20	40		
Pest Control Workers	860	1,240	40	20	60		
Sheet Metal Workers	1,980	2,550	60	40	100		
Slaughterers and Meat Packers	420	500	10	10	20		

\*Annual Wage.

Note: Detail may not add to totals because of the exclusion of small occupations and rounding.

Source: Utah Department of Workforce Services, June 2003.



# Utah Occupational Projections 2000 - 2010

## Training Levels Sorted by Wages

	Employment		Annual Job Openings			Hourly Wage	
	2000	2010	Growth	Replacements	Total	Entry	Average
<b>Short-Term On-the-Job Training</b>							
Teacher Assistants	13,600	19,770	620	290	900	14,400	18,700 *
Locomotive Engineers	460	710	30	20	50	\$19.00	\$22.80
Postal Service Mail Carriers	2,170	2,190	0	70	70	\$16.00	\$18.20
Postal Service Clerks	630	640	0	10	20	\$16.30	\$18.10
Shipping, Receiving, and Traffic Clerks	6,500	7,600	110	130	240	\$9.30	\$15.50
Production, Planning, and Expediting Clerks	2,540	3,090	60	40	100	\$9.00	\$15.00
Refuse and Recyclable Material Collectors	400	520	10	20	30	\$9.50	\$14.60
Postal Service Mail Sorters, Processors, and Processing Machine Operators	1,170	1,180	0	30	30	\$9.30	\$14.40
Helpers--Extraction Workers	430	460	0	20	20	\$10.10	\$14.30
Human Resources Assistants, Except Payroll and Timekeeping	1,200	1,510	30	30	60	\$10.40	\$14.10
Procurement Clerks	860	820	0	20	20	\$9.70	\$13.80
Payroll and Timekeeping Clerks	1,280	1,480	20	40	60	\$9.90	\$13.40
Weighers, Measurers, Checkers, and Samplers, Recordkeeping	600	780	20	20	30	\$8.80	\$13.20
Bill and Account Collectors	5,890	7,970	210	150	360	\$9.50	\$13.00
Electromechanical Equipment Assemblers	390	440	10	10	20	\$9.70	\$12.70
Reservation and Transportation Ticket Agents and Travel Clerks	4,320	5,350	100	120	220	\$8.10	\$12.70
Correspondence Clerks	270	340	10	10	20	\$9.80	\$12.60
Taxi Drivers and Chauffeurs	530	740	20	10	30	\$7.00	\$12.40
Office Machine Operators, Except Computer	1,090	1,170	10	40	50	\$8.10	\$12.30
Credit Authorizers, Checkers, and Clerks	2,070	2,310	20	20	40	\$8.10	\$12.20
Truck Drivers, Light or Delivery Services	8,250	10,290	210	120	320	\$7.80	\$12.00
Industrial Truck and Tractor Operators	4,240	4,960	70	60	130	\$9.20	\$11.90
Billing and Posting Clerks and Machine Operators	4,230	5,020	80	100	180	\$9.10	\$11.80
Driver/Sales Workers	3,280	3,750	50	50	90	\$6.00	\$11.60
Order Clerks	3,030	2,990	0	60	60	\$8.70	\$11.60
Helpers--Electricians	430	550	10	20	30	\$8.30	\$11.40
Bus Drivers, School	3,720	4,610	90	100	180	\$8.00	\$11.30
Food Cooking Machine Operators and Tenders	560	640	10	10	20	\$8.60	\$11.10
Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	1,110	1,420	30	60	90	\$8.40	\$11.10
Security Guards	6,160	8,070	190	170	360	\$7.80	\$10.70
Electrical and Electronic Equipment Assemblers	1,100	1,040	0	30	30	\$7.90	\$10.60

\*Annual Wage.

Note: Detail may not add to totals because of the exclusion of small occupations and rounding.

Source: Utah Department of Workforce Services, June 2003.

# Utah Occupational Projections 2000 - 2010

## Training Levels Sorted by Wages

	Employment		Annual Job Openings			Hourly Wage	
	2000	2010	Growth	Replacements	Total	Entry	Average
Telemarketers	7,040	9,110	210	150	360	\$8.10	\$10.50
Food Batchmakers	790	930	10	20	30	\$7.00	\$10.40
Office Clerks, General	24,450	30,670	620	470	1,090	\$7.40	\$10.40
Court, Municipal, and License Clerks	1,230	1,660	40	20	60	\$6.00	\$10.30
Helpers--Installation, Maintenance, and Repair Workers	1,230	1,600	40	60	100	\$7.00	\$10.30
Packaging and Filling Machine Operators and Tenders	3,560	4,530	100	80	180	\$7.70	\$10.30
Machine Feeders and Offbearers	890	880	0	30	30	\$6.90	\$10.10
Stock Clerks and Order Fillers	12,490	15,120	260	450	710	\$7.30	\$10.10
Laborers and Freight, Stock, and Material Movers, Hand	12,990	15,520	250	440	690	\$7.10	\$9.90
Pharmacy Aides	260	350	10	10	20	\$7.40	\$9.90
Library Technicians	1,510	2,150	60	70	130	\$7.10	\$9.70
Mail Clerks and Mail Machine Operators, Except Postal Service	2,140	2,240	10	60	70	\$8.10	\$9.70
Retail Salespersons	34,420	43,970	960	1,320	2,280	\$6.40	\$9.70
File Clerks	2,120	2,510	40	70	110	\$7.10	\$9.60
Helpers--Pipefitters, Plumbers, Pipefitters, and Steamfitters	580	730	20	30	40	\$7.00	\$9.50
Helpers--Roofers	320	430	10	20	30	\$8.00	\$9.50
Landscaping and Groundskeeping Workers	6,160	8,790	260	160	420	\$7.10	\$9.50
Receptionists and Information Clerks	9,630	12,500	290	210	500	\$7.40	\$9.50
Switchboard Operators, Including Answering Service	1,470	1,400	0	40	40	\$7.40	\$9.50
Home Health Aides	2,200	3,110	90	30	120	\$7.10	\$9.40
Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	560	710	20	30	40	\$7.50	\$9.20
Tellers	4,280	4,600	30	210	240	\$7.70	\$9.20
Helpers--Production Workers	4,330	5,130	80	110	190	\$6.90	\$9.10
Nonfarm Animal Caretakers	610	850	20	10	40	\$6.40	\$9.10
Service Station Attendants	560	720	20	30	50	\$6.40	\$9.00
Baggage Porters and Bellhops	250	340	10	10	20	\$6.10	\$8.80
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	17,470	23,100	560	320	880	\$6.30	\$8.70
Nursing Aides, Orderlies, and Attendants	8,340	11,800	350	110	450	\$7.60	\$8.70
Tire Repairers and Changers	900	1,070	20	30	50	\$6.50	\$8.70
Counter and Rental Clerks	4,030	5,440	140	180	330	\$6.20	\$8.60
Physical Therapist Aides	600	840	20	20	40	\$7.20	\$8.60
Transportation Attendants, Except Flight Attendants and Baggage Porters	210	290	10	10	20	\$6.20	\$8.60
Couriers and Messengers	1,370	1,520	20	40	50	\$6.30	\$8.50

\*Annual Wage.

Note: Detail may not add to totals because of the exclusion of small occupations and rounding.

Source: Utah Department of Workforce Services, June 2003.

# Utah Occupational Projections 2000 - 2010

## Training Levels Sorted by Wages

	Employment		Annual Job Openings			Hourly Wage	
	2000	2010	Growth	Replacements	Total	Entry	Average
Hotel, Motel, and Resort Desk Clerks	2,050	3,430	140	90	230	\$7.00	\$8.40
Veterinary Assistants and Laboratory Animal Caretakers	430	630	20	10	30	\$6.40	\$8.40
Helpers--Carpenters	2,210	2,710	50	110	160	\$6.50	\$8.30
Cleaners of Vehicles and Equipment	2,740	3,630	90	110	200	\$6.20	\$8.10
Crossing Guards	990	1,290	30	30	60	\$6.00	\$8.00
Packers and Packagers, Hand	6,750	8,360	160	170	330	\$6.10	\$8.00
Food Preparation Workers	7,130	9,050	190	280	470	\$6.10	\$7.90
Interviewers, Except Eligibility and Loan	2,630	4,030	140	60	200	\$6.10	\$7.90
Personal and Home Care Aides	1,410	2,270	90	20	110	\$6.90	\$7.80
Child Care Workers	2,350	3,750	140	90	230	\$5.90	\$7.60
Library Assistants, Clerical	790	1,040	30	40	60	\$6.20	\$7.60
Waiters and Waitresses	14,420	17,810	340	810	1,150	\$6.00	\$7.60
Bartenders	1,770	2,180	40	70	110	\$5.90	\$7.50
Cashiers	30,270	38,830	860	1,380	2,230	\$6.00	\$7.50
Food Servers, Nonrestaurant	730	1,020	30	30	60	\$6.10	\$7.50
Maids and Housekeeping Cleaners	9,340	13,950	460	210	670	\$6.10	\$7.50
Cooks, Short Order	1,350	1,570	20	40	60	\$6.20	\$7.30
Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	2,530	3,030	50	80	130	\$6.00	\$7.20
Parking Lot Attendants	660	920	30	10	40	\$6.00	\$7.10
Amusement and Recreation Attendants	2,850	4,130	130	100	220	\$6.00	\$7.00
Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	5,130	6,190	110	400	500	\$6.00	\$7.00
Dishwashers	3,080	3,020	0	120	120	\$6.00	\$7.00
Pressers, Textile, Garment, and Related Materials	510	680	20	10	20	\$6.00	\$7.00
Combined Food Preparation and Serving Workers, Including Fast Food	15,510	21,140	560	950	1,510	\$6.00	\$6.90
Dining Room and Cafeteria Attendants and Bartender Helpers	3,360	3,370	0	110	110	\$6.10	\$6.90
Cooks, Fast Food	6,850	7,050	20	200	220	\$5.90	\$6.70
Ushers, Lobby Attendants, and Ticket Takers	970	1,140	20	80	90	\$6.00	\$6.50
Meat, Poultry, and Fish Cutters and Trimmers	550	680	10	10	30		
Medical Equipment Preparers	360	490	10	10	20		
Riggers	350	440	10	10	20		
Tree Trimmers and Pruners	850	1,090	20	20	50		

\*Annual Wage.

Note: Detail may not add to totals because of the exclusion of small occupations and rounding.

Source: Utah Department of Workforce Services, June 2003.